

FIG. 1

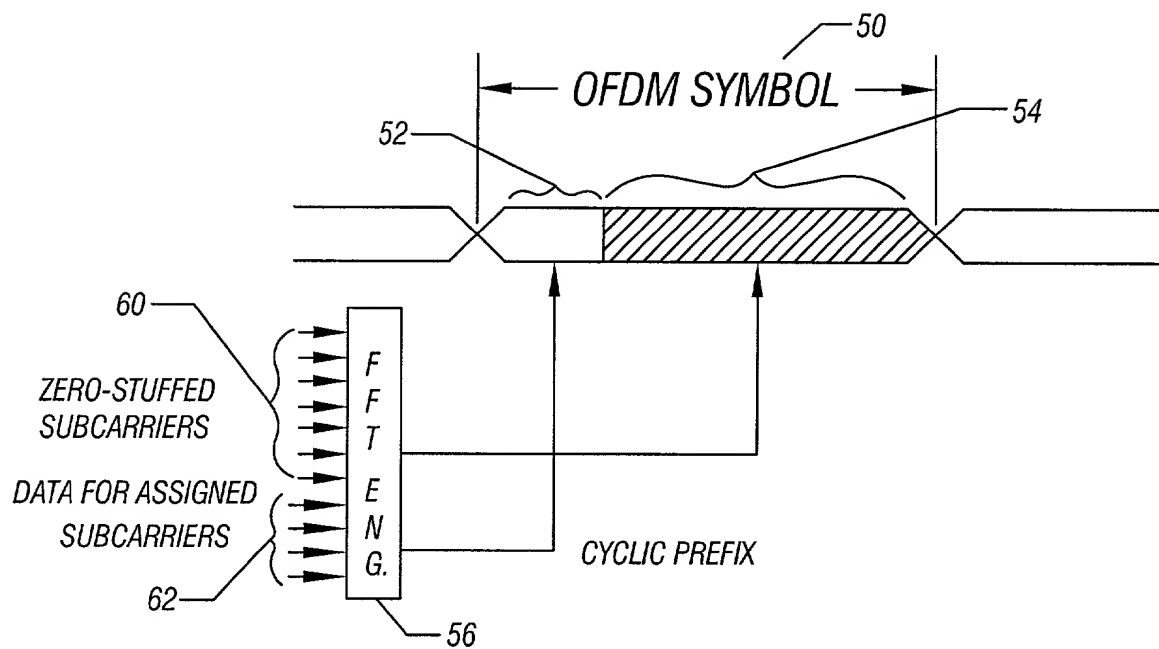


FIG. 2
(PRIOR ART)

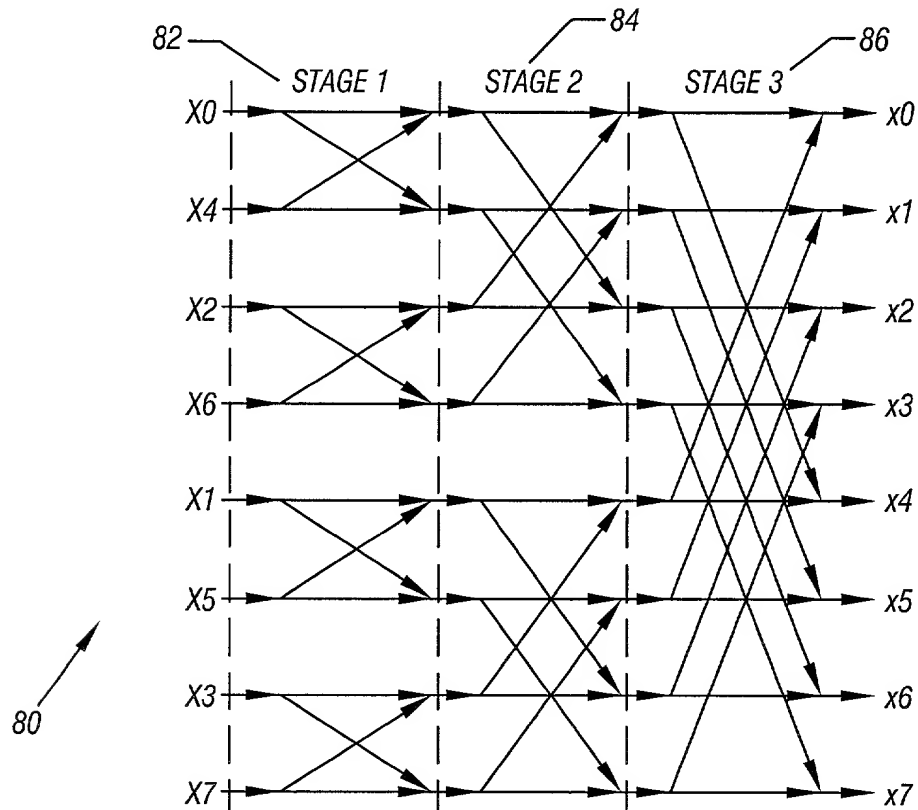


FIG. 3
(PRIOR ART)

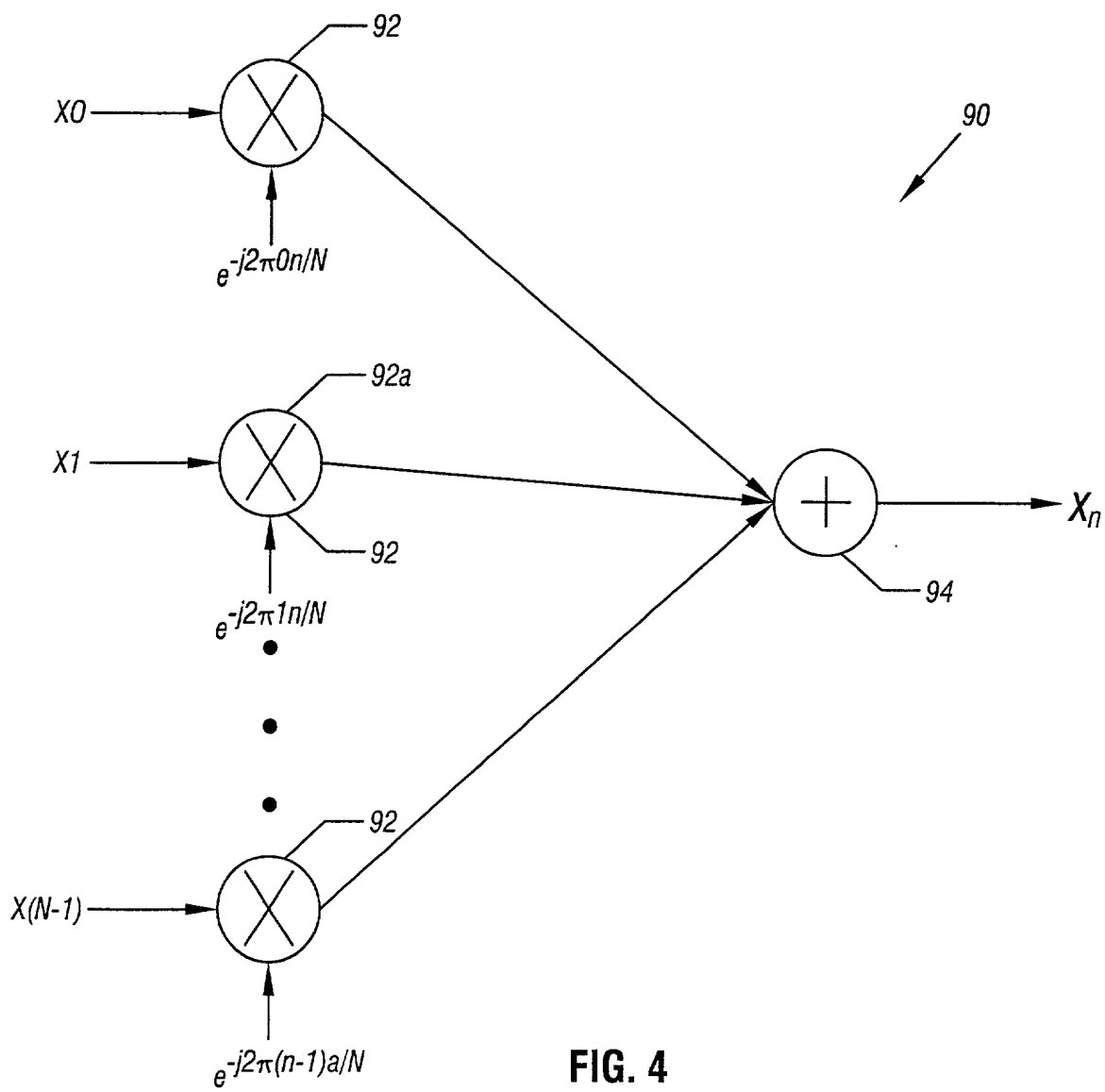


FIG. 4

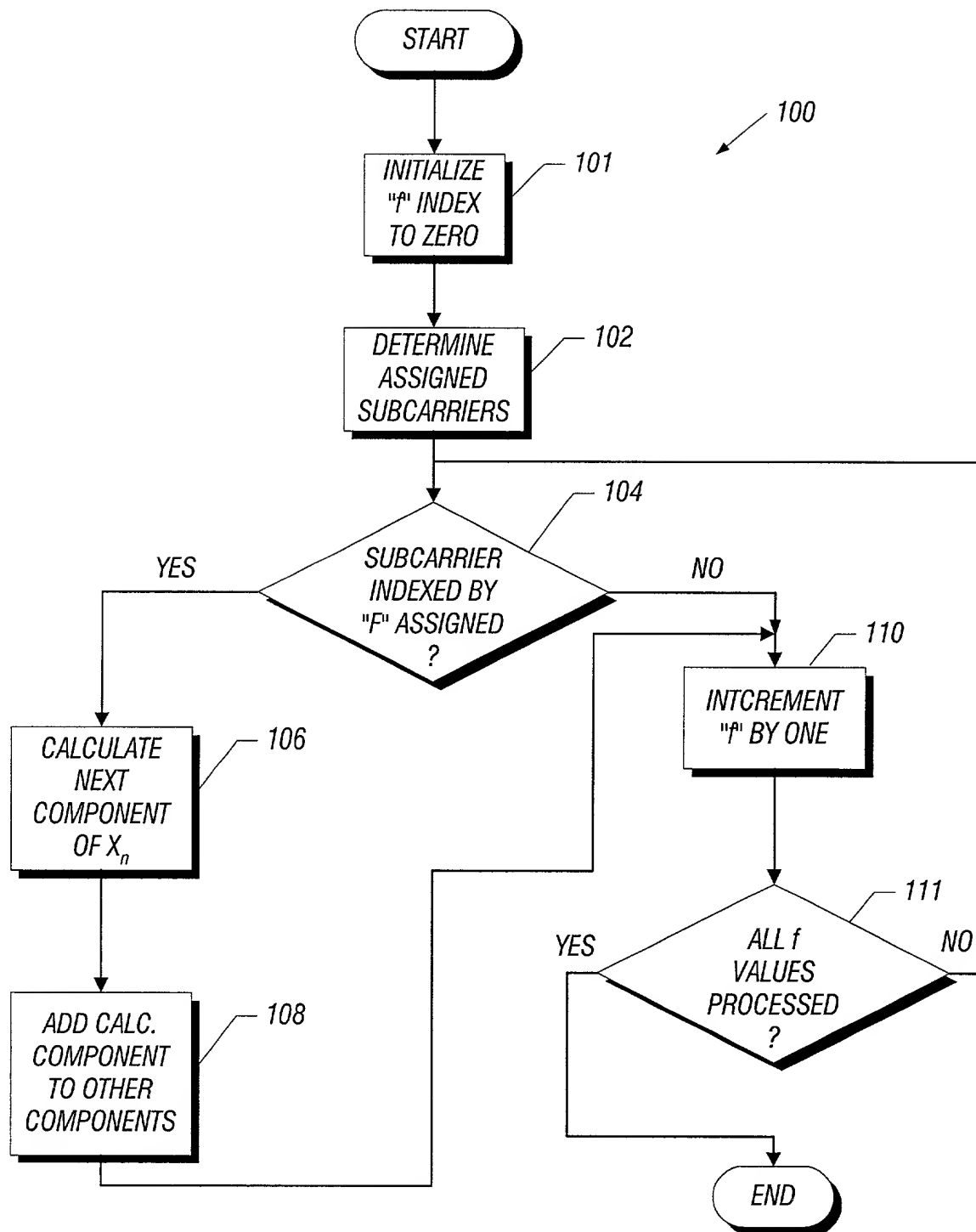


FIG. 5

TOTAL NO. OF SUBCARRIERS (N)	PROCESSING REQUIRED FOR FFT $N \log_2(N)$	EQUIVALENT SUBCARRIERS USING DFT
16	64	4
32	160	5
64	384	6
128	896	7
256	2048	8
512	4608	9
1024	10240	10
2048	22530	11
4096	49150	12

FIG. 6

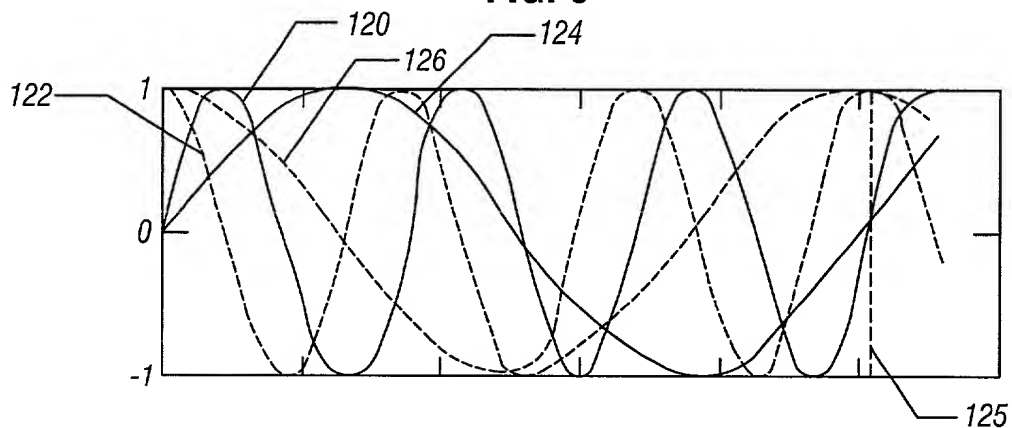


FIG. 7

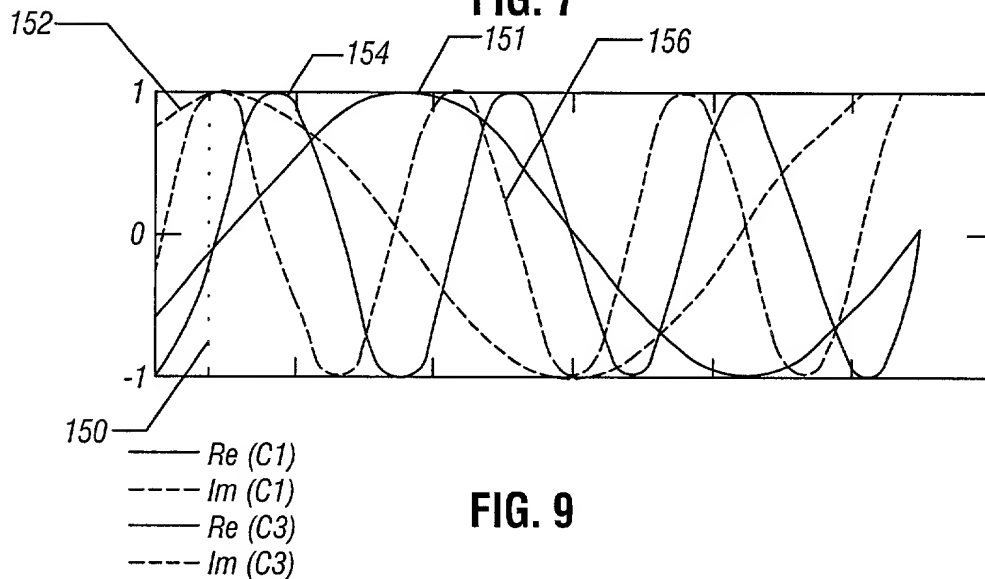


FIG. 9

150 ——— $Re(C1)$
 - - - - $Im(C1)$
 ——— $Re(C3)$
 - - - - $Im(C3)$

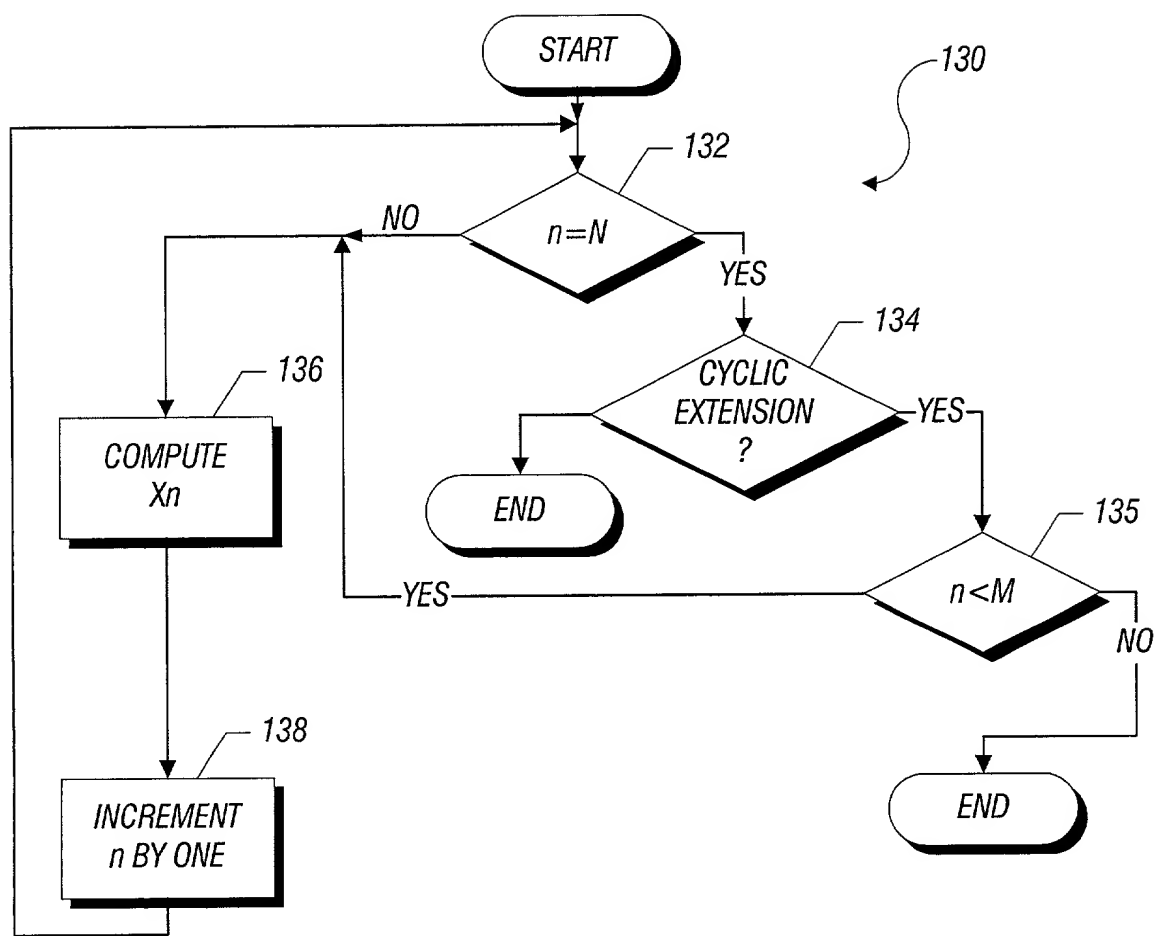


FIG. 8

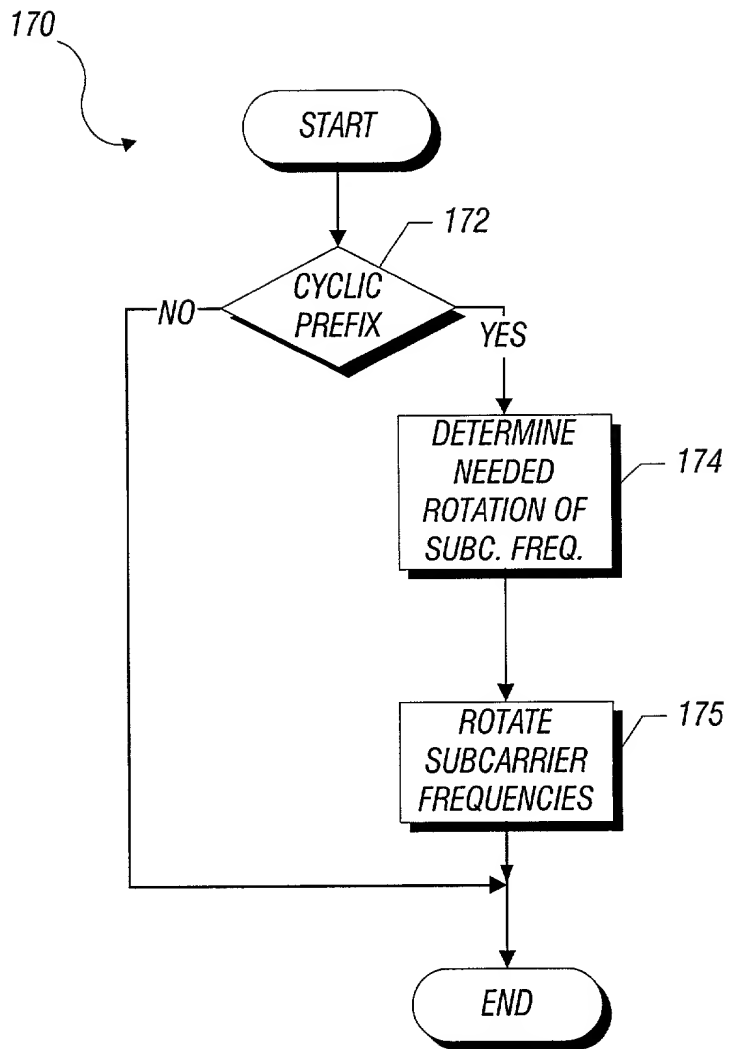


FIG. 10

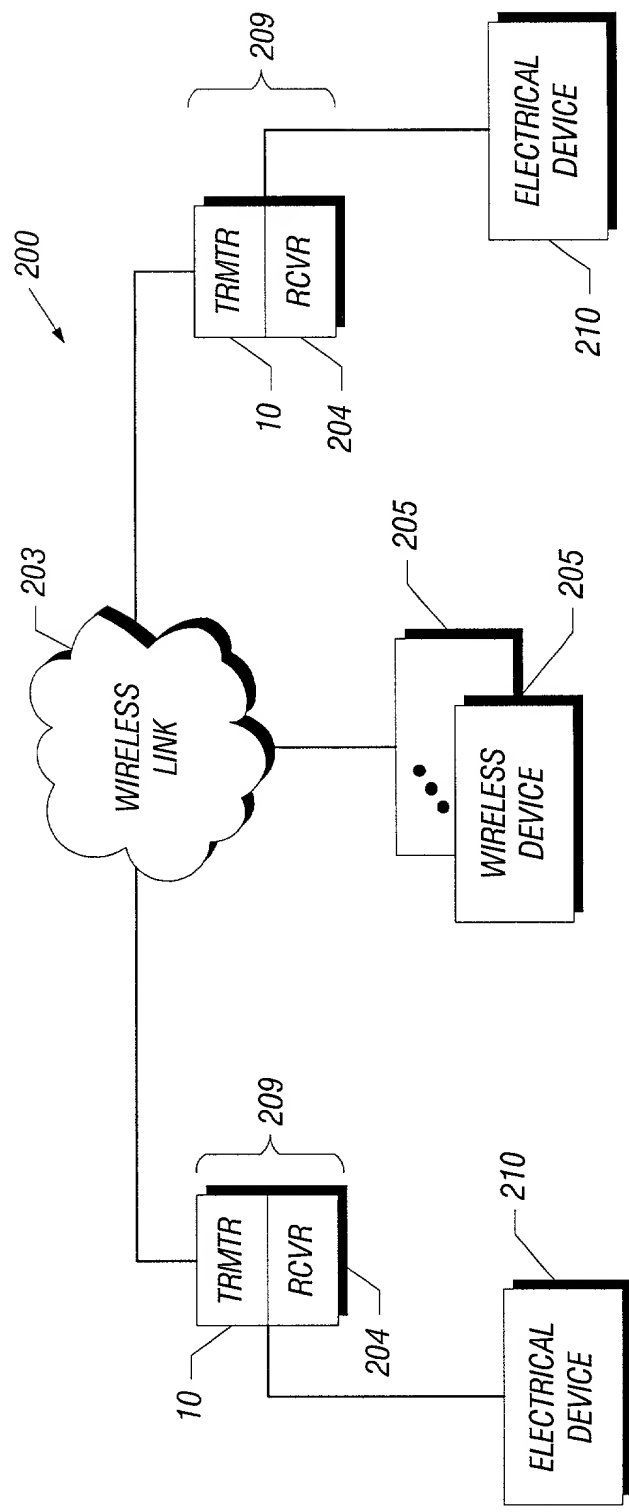


FIG. 11